

NYCOA Polyamide 9030 NH

Polyamide 6

Nycoa (Nylon Corporation of America)

Message:

NYCOA 9030 NH is Nylon 6 and organo-clay based nanocomposite made via in-situ polymerization for optimum exfoliation.

NYCOA 9030 NH is a high viscosity grade, specifically formulated for extrusion applications. This grade offers outstanding stiffness, dimensional and thermal stability, low water absorption and outstanding barrier properties. This grade can be coextruded

NYCOA 9030 NH conforms to FDA regulations.

Typical applications include barrier film packaging and high strength monofilament extrusion.

General Information			
Filler / Reinforcement	Clay Nano		
Features	Good Dimensional Stability		
	Good Stiffness		
	Good Thermal Stability		
	Medium-high Viscosity		
Uses	Film		
	Monofilaments		
	Packaging		
Forms	Pellets		
Processing Method	Blow Molding		
	Coextrusion		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	
Across Flow	0.60	%	
Water Absorption (24 hr)	1.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	75.0	MPa	ASTM D638
Tensile Elongation ² (Break)	15	%	ASTM D638
Flexural Modulus ³	3500	MPa	ASTM D790
Flexural Strength ⁴	131	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Melting Temperature	210	°C	

NOTE	
1.	51 mm/min
2.	51 mm/min
3.	51 mm/min
4.	51 mm/min

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